

# Phonetic and Phonological Systems Analysis (PPSA)

Name Dale

Date \_\_\_\_\_

Data Used Picture naming

Age 5;6 yrs

PI	Target	Correct Realisation			Errored Realisation			Deletion			Place	Manner
		WI	WM	WF	WI	WM	WF	WI	WM	WF		
	p	111	1	11							Front → Back	Oral Stops/Plosives
	b	1111	1									
	t	-1		---			??	1		1		
	d	11	1-	11		?						
	k	11---	--	1---		??	???	111				
	g	1	-	--		d	dd					
	m	111	1	11							Front → Back	Nasals
	n	11	1	1111								
	ŋ	/		--1			m					
	f	---	-	-		s	s	111			Front → Back	Fricatives
	v											
	θ	-		--			ss	1				
	ð											
	s	---		111--1				111		11		
	z	-		11-1				1		1		
	ʃ	--	1	1				11				
	ʒ	/										
	h	-		/				1				
	tʃ	--						11			Affricates	
	dʒ	-		1				1				
	w	1		/							Front → Back	Approximants
	ɹ	--1		/	ww							
	l	-		111				1				
	j	1		/								
	ɹ	/									Rhotic	

Other Errors (e.g., sequencing errors, consonant harmony)

/ɪ/ → [u]<sup>11</sup>

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Some Clusters (<sup>R</sup> applicable for rhotic accents)

Word Initial		Word Medial	Word Final	
pl- p <sup>1</sup>	fl- del <sup>1</sup>	-nd- ✓ <sup>1</sup>	-mp	-ks -ts <sup>1</sup>
pɹ-	fɹ-	-ŋg- ✓ <sup>1</sup>	-nt	-gz
bl- b <sup>1</sup>	θɹ- w <sup>1</sup>		-nd	-vz
bɹ- ✓ <sup>1</sup>	sp- b <sup>111</sup>		-ŋk	-pt
tw-	st-		-ft	-bd
tɹ-	sk- del <sup>1</sup>		-sp	-kt
dw-	sm- m <sup>1</sup>		-st	-ɪp <sup>R</sup>
dɹ-	sn-		-sk	-ɪb <sup>R</sup>
kw-	sw-		-lp	-ɪd <sup>R</sup>
kl-	sl- del <sup>1</sup>		-lt	-ɪts <sup>R</sup>
kɹ-	spl-		-lk	-ɪn <sup>R</sup>
gl-	spɹ-		-ps ✓ <sup>1</sup>	
gr- del <sup>11</sup>	str-		-bz	
	skw-		-ts	
	skɹ-		-dz	

Error Pattern Summary (shading denotes atypical error patterns)

Structural	(✓)	Segmental	(✓)	Phonetic	(✓)
Reduplication		Pre-vocalic voicing		Dentalisation	
Weak syllable deletion		Post-vocalic devoicing		Lateralisation	
Final C deletion		Velar fronting		Palatalisation	
Initial C deletion		Alveolar backing		Ingressive air stream	
h-deletion		Palatal fronting		Nasal emission	
Consonant insertion		Stopping of fricatives		Clicks	
Vowel insertion		Gliding of fricatives			
Cluster reduction		Stopping of affricates			
Coalescence		Deaffrication		<b>Other</b>	
Diphthong reduction		Gliding of liquids		Fricative simplification	
Diphthongisation		Glottal replacement		l-vocalisation	
Linearisation of features		Excessive glottal replacement		/ɹ/ → [v]	
		Systematic sound preference			
<b>Word level errors</b>		Vowel lowering		<b>Variability/Further ax?</b>	
Consonant harmony		Vowel raising		Progressive variability	
Transposition (metathesis)		Vowel fronting		Context-conditioning	
Sequencing errors		Vowel backing		Inconsistent production	
				Multi-lingual influence	

